

AD-A258 494



## DOCUMENTATION PAGE

Form Approved  
OMB No. 0704-0188

Unclassified

1b. RESTRICTIVE MARKINGS

2a. SECURITY CLASSIFICATION AUTHORITY

3. DISTRIBUTION / AVAILABILITY OF REPORT

2b. DECLASSIFICATION / DOWNGRADING SCHEDULE

Unlimited

4. PERFORMING ORGANIZATION REPORT NUMBER(S)

5. MONITORING ORGANIZATION REPORT NUMBER(S)

DOD POP HMTR/AYD 91-007

6a. NAME OF PERFORMING ORGANIZATION

6b. OFFICE SYMBOL  
(If applicable)

7a. NAME OF MONITORING ORGANIZATION

Packaging Division, AED

SMCAR-AEP

6c. ADDRESS (City, State, and ZIP Code)

7b. ADDRESS (City, State, and ZIP Code)

U.S. Army, ARDEC  
Picatinny Arsenal, NJ 07806-50008a. NAME OF FUNDING / SPONSORING  
ORGANIZATION8b. OFFICE SYMBOL  
(If applicable)

9. PROCUREMENT INSTRUMENT IDENTIFICATION NUMBER

8c. ADDRESS (City, State, and ZIP Code)

10. SOURCE OF FUNDING NUMBERS

PROGRAM  
ELEMENT NO.PROJECT  
NO.TASK  
NO.WORK UNIT  
ACCESSION NO.

11. TITLE (Include Security Classification)

Performance Oriented Packaging Report for Charge Assembly, Demolition,  
M37 or M183

12. PERSONAL AUTHOR(S)

Sniezek, Frank

13a. TYPE OF REPORT

Final

13b. TIME COVERED

FROM \_\_\_\_\_ TO \_\_\_\_\_

14. DATE OF REPORT (Year, Month, Day)

92-11-02

15. PAGE COUNT

16. SUPPLEMENTARY NOTATION

17. COSATI CODES

FIELD

GROUP

SUB-GROUP

18. SUBJECT TERMS (Continue on reverse if necessary and identify by block number)

Performance Oriented Packaging, POP,  
Charge Assembly, Demolition, M37 or  
M183, Mil-B-2427 wood box

19. ABSTRACT (Continue on reverse if necessary and identify by block number)

This POP report is for the Charge Assembly, Demolition, M37 or M183 which is packaged 2 charges/Mil-B-2427 wood box. This report describes the results of testing conducted.

20. DISTRIBUTION / AVAILABILITY OF ABSTRACT

☐ UNCLASSIFIED/UNLIMITED ☐ SAME AS RPT ☐ DTIC USERS

21. ABSTRACT SECURITY CLASSIFICATION

Unclassified

22a. NAME OF RESPONSIBLE INDIVIDUAL

STEVE RUFFINI

22b. TELEPHONE (Include Area Code)

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22c. OFFICE SYMBOL

SMCAR-AEP

I. REPORT NUMBER: DOD POP HMTR/AYD 91-007

II. TITLE: Performance Oriented Packaging Report for Charge Assembly,  
Demolition, M37 or M183

AUTHOR: Frank M. Sniezek

PERFORMING ACTIVITY: ARDEC

ADDRESS: Department of the Army  
ARDEC, SMCAR-AEP  
HQ, U.S. Army Armament, Munitions, and Chemical Command  
Picatinny Arsenal, NJ 07806-5000

DATE: 2 Nov 92

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Accession For	
NTIS CRA&I	<input checked="checked" type="checkbox"/>
DTIC TAB	<input type="checkbox"/>
Unannounced	<input type="checkbox"/>
Justification .....	
By .....	
Distribution /	
Availability Codes	
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A-1	

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92-31316



## 1. DATA SHEET

### CONTAINER

Type: Box  
UN Code: 4C1  
Nomenclature: Box, Packing, Ammunition, for Charge Assembly,  
Demolition, M37 or M183  
Specification Number: Type II, Grade A, Class 2, Mil-B-2427  
Drawing Number: 8883618  
Material: Wood  
Gross Weight: 57 pounds  
Outside Dimensions: 16 1/8 x 11 3/16 x 12 3/8  
Inside Dimensions: 13 3/8 x 10 1/8 x 10 5/16

### PRODUCT

Name: Charge Assembly, Demolition, M37 or M183  
Drawing Number: 9216416 - M183  
8861107 - M37  
United Nations Number: 0048  
Physical State: Solid  
Amount per Container: 2

## 2. BACKGROUND, TESTS, AND RESULTS

Reference the following document:  
a. 49CFR, October 1, 1991 Edition

Instead of testing with the actual item, three wooden boxes built to the same specification but packed with a fiberboard box loaded with sand to a gross weight of 80 pounds were tested.

A Stacking Test was conducted on one container with a weight of 910 pounds for 72 hours in lieu of three containers for 24 hours. This weight exceeds the minimum requirement for a 10 foot stack height which is 776 pounds.

A Loose Cargo Test was conducted on three containers for one hour. The packages were tested at a vibration table frequency such that the bottom of the packages were raised 1/4 inch from the platform, which exceeds the requirement of 1/16 inch.

A Four Foot Drop Test was conducted on one of the containers that was subjected to the Loose Cargo Test. One container was dropped five times at different orientations as follows: top, bottom, long side, short side, and a top corner at the closure. This exceeds the requirement of one drop per container.

Test results indicated no leakage or spillage of the contents from the containers following any of the tests conducted, meeting the requirements of the 49 CFR.